

Urologic Management to Preserve Renal Function Protocol for Young Children with Spina Bifida (UPPF)

- The long term-goal of the Urologic Management to Preserve Renal Function Protocol for Young Children with Spina Bifida (UPPF) is to develop evidence-based recommendations for best urologic practices. The objectives of the Pediatric Urology Division at Monroe Carell Jr. Children's Hospital at Vanderbilt are both to participate in the protocol and to answer specific hypothesis-driven questions that can improve urologic management in early childhood. With our large spina bifida population and the commitment to research by the Division of Pediatric Urology, the Division of Neonatology, the Spina Bifida Program, and Vanderbilt University Medical Center, we are uniquely positioned to be a productive site for this collaborative project.

Specific Aim 1: To determine if growth curve changes (to be used in conjunction with urologic history and renal ultrasound) can predict a hostile bladder.

Specific Aim 2: To identify populations at risk for kidney damage on a standardized urologic protocol.